



JOB DESCRIPTION

Position Title: **Senior Technician**

Work Area: **Traffic Signals**

Class Code: 5326 Non-Exempt

EEO Code: 03

Effective Date: October 1, 2001

Major Function

Skilled work involving the repair, maintenance, programming, modification and construction of traffic signals and signal systems , and communication cables.

Essential Functions

Note: These are intended only as illustrations of the various types of work performed. The omission of specific duties does not exclude them from the position if the work is a logical assignment to the position.

Inspect and verify that traffic control devices are installed and operated properly by contractors. Repair and maintain traffic signals and signal systems. Schedule and plan maintenance and construction activities. Inspect projects at various stages of development up to and including the final inspection.

Maintain repair parts inventory for traffic signal control devices and submit requests for supplies and equipment.

Review signalization plans and communication network plans, prepare comments and attend pre-construction meetings.

Maintain records and complete reports with respect to time and materials used on specific projects, and traffic signal control device malfunctions. Coordinate field electronic controller malfunction information with repair personnel.

Provide training to others as assigned. Instruct personnel on the proper operating techniques for traffic signal equipment and hazard avoidance.

Install, maintain and troubleshoot traffic signal control equipment within a computer-based system and associated communications equipment to include hardwire, microwave radio telemetry, fiberoptics, and video surveillance. Coordinate signal timings, signal phasing and equipment standards with supervisor.

Assemble signal cabinets and program electronic devices.

Perform diagnostic testing and splicing for fiber optic communication cables.

Perform on-call duty for after hours emergencies or other standby requirements as necessary.

Perform other duties as assigned or as may be necessary.

Minimum Qualifications

Knowledge of the principles and theory of electronics. Knowledge of the standard tools, materials, methods and practices of the electronic trade. Knowledge of occupational hazards and safety precautions of the electronic and electrical trade. Knowledge of overhead regulatory and advisory signs and the tools and apparatus necessary for their installation and maintenance. Knowledge of Florida Department of Transportation Standard Specifications for road and bridge construction pertaining to traffic signals and traffic signal control devices and associated equipment.

Ability to use standard electronic test equipment. Ability to learn techniques of traffic signal installation, maintenance and repair. Ability to read and interpret plans, sketches, and blueprints for use in the planning and installation of traffic signals. Ability to communicate effectively both orally and in writing.

High School Diploma or GED and two (2) years experience in the field of electronics.

Must possess and maintain a valid Florida Driver's License.

Must possess an IMSA Work Zone Safety Certificate, or obtain same within six (6) months of employment.

Must possess an IMSA Level I Signalization Certificate, or obtain same within eight (8) months of employment.

Must possess an IMSA Level II Signalization Certificate, or obtain within twelve (12) months of employment.

A comparable amount of education, training, or experience may be substituted for the minimum qualifications.

Working Conditions

The normal work environment for this position includes technical work performed in the field and in a shop area. Incumbents perform duties that include lifting, standing, stooping, sitting, walking over construction areas, and working in adverse weather conditions.

Position requires the ability to climb ladders and to work at heights of thirty-five (35) feet above the ground. Ability to maintain good physical condition sufficient to satisfactorily perform job duties and to walk on uneven surfaces.